

What is claimed is:

[Claim 1] 1. A backlight module, comprising:

an external electrode lamp having an external electrode;

an inverter for providing power to the external electrode lamp; and

a clamp structure for clamping the external electrode, comprising:

a first fixing device comprising a first indentation;

a second fixing device comprising a second indentation wherein the first and second indentations are used for clamping the external electrode of the external electrode lamp; and

a metal strip, connected to the inverter and located between the first and second fixing devices, comprising an electrical junction that is connected to the external electrode for providing power to the external electrode lamp.

[Claim 2] 2. The backlight module of claim 1, wherein the metal strip is located between the first indentation of the first fixing device and the external electrode of the external electrode lamp.

[Claim 3] 3. The backlight module of claim 1, wherein the metal strip is located between the second indentation of the second fixing device and the external electrode of the external electrode lamp.

[Claim 4] 4. The backlight module of claim 1, wherein the external electrode further comprises a cushion, in which the cushion surrounds the external electrode and is located between the first and second fixing devices.

[Claim 5] 5. The backlight module of claim 1, wherein the first fixing device and second fixing device are fixed together with screws and tenons.

[Claim 6] 6. A clamp structure of an external electrode lamp, comprising:

a first fixing device comprising a first indentation;
a second fixing device comprising a second indentation wherein the first and second indentations are used for clamping the external electrode of the external electrode lamp; and

a metal strip, connected to the inverter and located between the first and second fixing devices, comprising an electrical junction that is connected to the external electrode for providing power to the external electrode lamp.

[Claim 7] 7. The clamp structure of an external electrode lamp of claim 6, wherein the metal strip is located between the first indentation of the first fixing device and the external electrode of the external electrode lamp.

[Claim 8] 8. The clamp structure of an external electrode lamp of claim 7, wherein the electrical junction of the metal strip corresponds to the first indentation of the first fixing device.

[Claim 9] 9. The clamp structure of an external electrode lamp of claim 7, wherein the electrical junction of the metal strip is tightly connected to the first indentation of the first fixing device.

[Claim 10] 10. The clamp structure of an external electrode lamp of claim 7, wherein the second indentation of the second fixing device further comprises a second protruding structure, in which the structure is physically in contact with the external electrode of the external electrode lamp.

[Claim 11] 11. The clamp structure of an external electrode lamp of claim 7, wherein the first indentation further comprises a first bevel for the convenience of the overall metal strip layout.

[Claim 12] 12. The clamp structure of an external electrode lamp of claim 6, wherein the metal strip is located between the second indentation of the second fixing device and the external electrode of the external electrode lamp.

[Claim 13] 13. The clamp structure of an external electrode lamp of claim 12, wherein the electrical junction of the metal strip corresponds to the second indentation of the second fixing device.

[Claim 14] 14. The clamp structure of an external electrode lamp of claim 12, wherein the electrical junction of the metal strip is tightly connected to the second indentation of the second fixing device.

[Claim 15] 15. The clamp structure of an external electrode lamp of claim 12, wherein the first indentation of the first fixing device further comprises a first protruding structure, in which the structure is physically in contact with the external electrode of the external electrode lamp.

[Claim 16] 16. The clamp structure of an external electrode lamp of claim 12, wherein the second indentation further comprises a second bevel for the convenience of the overall metal strip layout.

[Claim 17] 17. The clamp structure of an external electrode lamp of claim 6, wherein the external electrode further comprises a cushion, in which the cushion is located between the external electrode and the first fixing device.

[Claim 18] 18. The clamp structure of an external electrode lamp of claim 6, wherein the external electrode further comprises a cushion, in which the cushion is located between the external electrode and the second fixing device.

[Claim 19] 19. The clamp structure of an external electrode lamp of claim 6, wherein the external electrode further comprises a cushion, in which the cushion surrounds the external electrode and is located between the first and second fixing devices.

[Claim 20] 20. The clamp structure of an external electrode lamp of claim 6, wherein the first fixing device and second fixing device are fixed together with screws and tenons.